

Title (en)
OPTICALLY VARIABLE DEVICES, SECURITY DEVICE AND ARTICLE EMPLOYING SAME, AND ASSOCIATED METHOD OF CREATING SAME

Title (de)
OPTISCH VARIABLE VORRICHTUNGEN, SICHERHEITSVORRICHTUNG UND -GEGENSTAND, DIE DIESE VORRICHTUNGEN EINSETZEN, UND ZUGEHÖRIGES VERFAHREN ZUR HERSTELLUNG DIESER VORRICHTUNGEN

Title (fr)
DISPOSITIFS VARIABLES OPTIQUEMENT, DISPOSITIF DE SÉCURITÉ ET ARTICLE L'UTILISANT ET PROCÉDÉ ASSOCIÉ DE CRÉATION

Publication
EP 2333727 A2 20110615 (EN)

Application
EP 10015655 A 20101210

Priority
US 28583409 P 20091211

Abstract (en)
An optically variable device ("OVD") (101a) with an integral image system that includes a focusing element (103a) and an array of micro-objects (106) which, when viewed through the focusing element (103a), changes in appearance depending on the relative location from which the OVD is observed. A security device including the OVD and methods for creating the OVD are also disclosed.

IPC 8 full level
G07D 7/00 (2006.01); **G07D 7/12** (2006.01)

CPC (source: EP US)
G07D 7/003 (2017.04 - EP US); **G07D 7/0032** (2017.04 - EP US); **Y10T 156/10** (2015.01 - EP US)

Citation (applicant)

- US 5712731 A 19980127 - DRINKWATER KENNETH J [GB], et al
- US 7468842 B2 20081223 - STEENBLIK RICHARD A [US], et al
- US 4758296 A 19880719 - MCGREW STEPHEN P [US]

Cited by
US10222626B2; WO2015156723A1; EP2841284B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2333727 A2 20110615; EP 2333727 A3 20120229; EP 2333727 B1 20180404; CN 102092210 A 20110615; CN 102092210 B 20150603; US 2011317271 A1 20111229; US 9025251 B2 20150505

DOCDB simple family (application)
EP 10015655 A 20101210; CN 201010625021 A 20101210; US 96489710 A 20101210